

## METHOD AND SYSTEM FOR PROVIDING LINK, NODE AND PG POLICY BASED ROUTING IN PNNI BASED ATM NETWORKS

### ABSTRACT

- 5           A system and method for providing link, node, and PG policy based routing  
in PNNI based ATM networks is disclosed. A computer implemented method  
signals and routes a call in the network. Upon detecting the call's arrival, its service  
request is accessed. Upon determining that the service request relates to an  
attribute of a link, a routing path is sought that conforms to the service request, as by  
10   accessing information relating to the routing path and comparing the information to the  
service request. A conforming routing path is selected, and the call is routed via that  
path. A computer implemented method advertises an attribute of links, nodes,  
policies, etc. Data relating to the route's attribute can be provided to a node as a  
GAT IE component of a PNNI signaling setup message for multi-peer group  
15   networks, and advertised using PTSEs within a peer group.